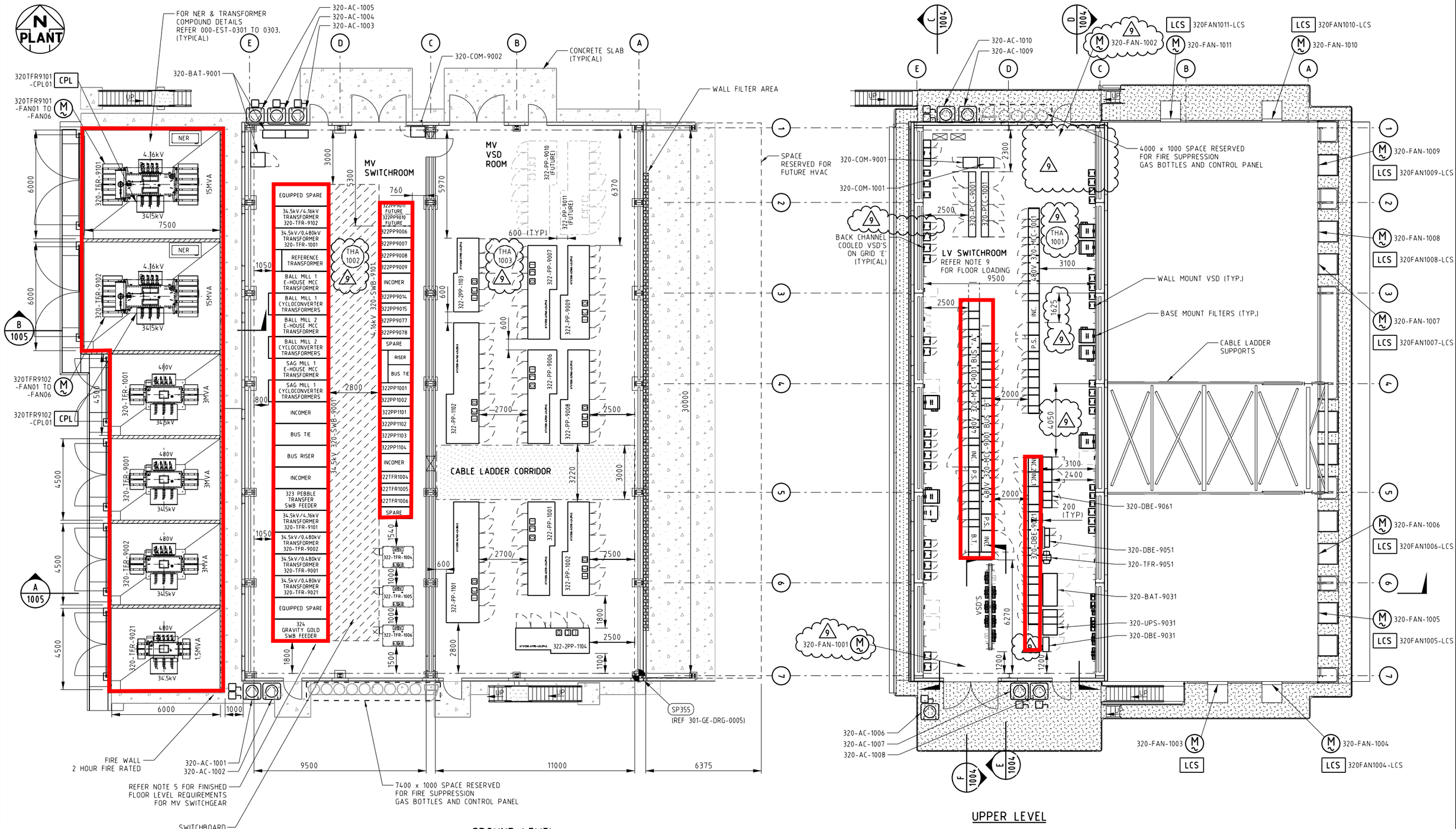

NOTES

1. FOR STANDARD DETAILS REFER TO THE FOLLOWING:
   - ELECTRICAL SYMBOLS: 000-EST-0001 TO 0004.
   - ELECTRICAL INSTALLATION DETAILS: 000-EST-0006 TO 000-EST-0081.
   - SUBSTATION ELECTRICAL DESIGN DETAILS: 000-EST-0301 TO 000-EST-0304.
2. ALL DIMENSIONS ARE MINIMUM INTERNAL BETWEEN INTERNAL FACE OF COLUMNS.
3. BUILDING ARRANGEMENT SHOWN IS INDICATIVE ONLY. ACTUAL ARRANGEMENT WILL BE SUBJECT TO DETAILED STRUCTURAL STEEL AND CONCRETE DESIGN REQUIREMENTS.
4. TRANSFORMER COMPOUND AND FIRE WALLS SHALL BE 2 HOUR FIRE RATED WHERE SHOWN BY HATCHING.
5. REFER DRG 000-EST-0304 FOR FINISHED FLOOR LEVEL REQUIREMENTS & C-CHANNEL FIXING FOR MV SWITCHGEAR.
6. CABLE LADDER LOADING - 130kg/m PER LADDER. REFER ELEVATION FOR PRELIMINARY QUANTITY.
7. CABLE LADDER & DUCTING HANGERS TO BE SITE SUPPLIED AND INSTALLED.
8. CABLE LADDER & DUCTING WALL PENETRATIONS WILL BE POSITIONED TO SUIT COLUMN LOCATIONS.
9. FLOOR LOADING FOR UPPER LEVEL TO BE 1000kg/m2.
10. FUTURE ALLOWANCE FOR AIR CONDITIONING DUCT LOADING IN MV VSD ROOM - 50kg/m.

SCALE 1:100

320-SUB-1001

REVISIONS												
REV	DESCRIPTION	DRN	CHK	ENG	DATE	REV	DESCRIPTION	DRN	CHK	ENG	DATE
3	ISSUED FOR CONSTRUCTION	JDS	GD	AD	05.10.15	7	CONDUITS REMOVED MV VSD ADDED. LV VSD'S ADDED	JDS	KR	GD	29.09.16
2	REVISED AIR-CON. TRANSFORMERS, SWITCHES AND EQUIPMENT ADDED	JDS	GD	AD	31.07.15	6	MV VSD ROOF PENETRATIONS REMOVED. GENERAL REVISIONS	JDS	KR	AD	26.07.16
9	REVISED AS NOTED	JDS	KR	NP	30.01.18	5	GENERAL REVISIONS	JDS	KR	AD	22.07.16
8	REVISED AS NOTED	JDS	KR	AD	03.07.17	4	ISSUED FOR ARCHITECTURAL DESIGN	JDS	GD	AD	19.04.16

REFERENCE DRAWINGS	
DRAWING No.	DESCRIPTION
000-EST-0301/3	SUBSTATION ELECTRICAL DESIGN DETAILS LAYOUTS SHT1/3

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CHECKED	G DINGLEY	13.02.15
DISCIPLINE ENGINEER	G DINGLEY	13.02.15
PRINCIPAL ENGINEER	A DINGLEY	13.02.15
CLIENT		

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MINA DE COBRE PANAMA
TREATMENT PLANT
T1 MILLING & RECLAIM SUBSTATION
ELECTRICAL LAYOUT SHEET 1

CLIENT: MINERA PANAMA

SCALE		DRG. No.	CLIENT PROJECT NUMBER	REV. No.
1:100	A1	320-ELA-1001	1824	9

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